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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Application Number	09/114,335
Filing Date	07/13/98
First Named Inventor	Silver
Group Art Unit	2741
Examiner Name	
Attorney Docket Number	C98-035

Sheet 1 of 4

Attorney Docket Number | C98-035

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
Jc		3,069,654		Hough	12-18-1962	
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Jc		4,955,062		Terui	09-04-1990	
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Jc		5,048,094		Aoyama et al.	09-10-1991	

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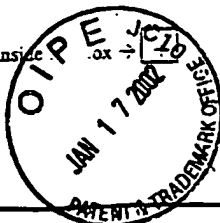
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Name of the Author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		BALLARD, D.E., "Generalizing the Hough Transform to Detect Arbitrary Shapes," <i>Pattern Recognition</i> , 1981, pp. 111-122, Vol. 13, No. 2, Pergamon Press Ltd., UK
		BALLARD, et al., "Section 4.2 Searching Near and Approximate Location," and "Section 4.3 The Hough Method for Curve Detection," <i>Computer Vision</i> , 1982, pp. 121-131, Prentice-Hall, Inc., Englewood Cliffs, NJ, USA
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		COGNEX CORPORATION, "Chapter 14 Golden Template Comparison," <i>Cognex 3000/4000/5000-Programmable Vision Engines, Vision Tools</i> , 1996, pp. 569-595, Revision 7.4 590-1036, Natick, MA, USA
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		COGNEX CORPORATION, "Apex Search Object," <i>acuWin version 1.5</i> , March 31, 1997, pp. 1-35, Natick, MA, USA
		COGNEX CORPORATION, "Apex Model Object," <i>acuWin version 1.5</i> , March 31, 1997, pp. 1-17, Natick, MA, USA
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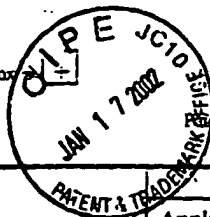
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		CROUZIL, et al., "A New Correlation Criterion Based on Gradient Fields Similarity," <i>Proceedings of the 13th International Conference on Pattern Recognition Volume I Track A: Computer Vision</i> , August 25-29, 1996, pp. 632- 636. IEEE Computer Society Press, Los Alamitos, CA, USA	
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		ROSENFELD et al., "Coarse-Fine Template Matching," <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , February 1997, pp. 104-107, USA	
		TIAN et al., "Algorithms for Subpixel Registration," <i>Computer Vision, Graphics, and Image Processing</i> 35:1986, pp. 220-233, Academic Press, Inc.	

Examiner Signature	<i>Jon Chang</i>	Date Considered	3/21/05
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JC		5,253,306		Nishio	10-12-1993	
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JC		5,657,403		Wolff et al.	08-12-1997	
JC		5,717,785		Silver	02-10-1998	

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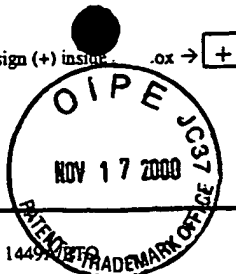
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